Index of Claims

| Applica | tion/Co | ntrol No. |
|---------|---------|-----------|
|---------|---------|-----------|

10/665,149 Examiner

Julian D. Huffman

Applicant(s)/Patent under Reexamination

TAKAHASHI ET AL.

Art Unit

2853

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N Interference

Appeal 0 Objected

| | | | | | | | | Į | | |
|--------------------------------------------------|-----------------------|----------|----------|--------------|----------|--------------|----------------|--------------------------------------------------|--------------|----------|
| | | | | | | | | | | |
| Cla | Date | | | | | | | | | |
| Final | Original | 3/5/07 | | | | | | | | |
| | 1 2 3 4 5 | J | | | _ | | | | | |
| | 2 | | | | | | | | | |
| | 3 | Ш | | | | | | | | |
| | 4 | Ш | | | | | | | | |
| | 5 | Ш | | | | | | | | Щ |
| | 6 | Ц, | Ш | | | | | | \Box | _ |
| | 7 | 4 | | | _ | _ | _ | | | Ц |
| | 8 | V | _ | | | | _ | | | |
| | 9 | Ш | | | | | | | | |
| | 10 11 | H | | | | _ | - | | | \dashv |
| | 11 | <u> </u> | - | _ | | | | | | \dashv |
| | 12 | Н | Н | \dashv | | | | | | \dashv |
| | 13 | Н | - | | | | | | | \dashv |
| | 13 14 15 | Н | - | | | - | - | | | - |
| | 16 | Н | \vdash | | _ | | | | | \dashv |
| | 16 17 | Н | Н | | _ | | - | | | \dashv |
| | 18 | Н | | _ | _ | | | | | \dashv |
| | 18 19 | H | | | | | | _ | | |
| | 20 | \vdash | | _ | _ | | _ | | | - |
| _ | 21 | \vdash | _ | \vdash | | | | | | |
| | 22 | | \vdash | \vdash | _ | | | _ | | - |
| | 21 22 23 | - | | - | | - | | | | \vdash |
| | 24 | \vdash | | _ | | | | | | \vdash |
| | 24 25 | H | ┢═ | | | | | _ | | |
| | 26 | T | Г | | | | | П | | П |
| | 26 27 | Ħ | _ | | | | | | | П |
| | 28 | | | | | | | | | |
| | 29 | \vdash | | | | | | | | П |
| | 30 | | | | | | | | | |
| | 31 | | | | | | | | | |
| | 32 | | | | | | | | | |
| | 33 | | | | | | | | | |
| | 34 | | | | | | _ | | | |
| L | 35 | ļ | <u> </u> | <u> </u> | _ | <u>L</u> | ┕ | $oxed{oxed}$ | <u></u> | |
| | 36 | <u> </u> | L_ | <u> </u> | _ | <u>_</u> | _ | | <u>_</u> | Щ |
| <u> </u> | 37 | Ļ | <u> </u> | <u> </u> | <u> </u> | L_ | L. | | L | Ш |
| <u> </u> | 38 | = | _ | <u> </u> | _ | <u> </u> | L. | _ | <u> </u> | \sqcup |
| <u> </u> | 39 | | <u> </u> | <u> </u> | _ | _ | <u> </u> | <u> </u> | <u> </u> | \vdash |
| <u> </u> | 40 | 1 | — | | <u> </u> | | \vdash | | | Н |
| | 41 | 뇓 | | ├- | <u> </u> | <u> </u> | ├- | ├ | \vdash | |
| <u> </u> | 42 | = | - | ├— | <u> </u> | | \vdash | | <u> </u> | \vdash |
| _ | 43 44 | 1 | \vdash | | _ | | - | \vdash | - | Н |
| <u> </u> | 45 | 모 | | | - | - | \vdash | | - | \vdash |
| <u> </u> | 46 | = | ├ | | - | | \vdash | - | \vdash | - |
| - | 47 | ╁ | \vdash | - | \vdash | \vdash | \vdash | \vdash | \vdash | - |
| | 48 | ١. | - | ╁ | ├─ | ╁ | \vdash | - | - | |
| | 49 | 1.1 | \vdash | - | | - | - | - | \vdash | \vdash |
| - | 50 | 7 | ╁╌ | ╁ | \vdash | \vdash | - | \vdash | 1- | \vdash |
| 4 | , 50 | 1 | | i . | i | | | | | |

| Cla | im | | | | [| Date | , | | | \neg |
|----------|----------------------------------------------------------------------|--------------|----------|------------|--------------|------------|----------------|-----------------|--------------------------------------------------|--------------|
| | | | | | | | | | | |
| Final | Original | | | | | | | | | |
| ιĒ | rig | | | | | | | | | |
| | 0 | | | | | | | | | |
| | 51 | | | | | | | | | |
| | 52 | | | | | | | | | |
| | 53 | | | | | | | | | |
| | 54 | | | | | | | | | |
| | 53 54 55 | | | | | | | | | |
| | 56 57 | | | | | | | | | |
| | 57 | | | | | | | | | |
| | 58 59 | | | | | | | | | |
| | 59 | | | Г | | | | | | |
| | I 60 I | | | | | | | | | |
| | 61 | | | | | | | | | |
| | 61 62 63 | | | | | | | | | |
| | 63 | | | | | | | | | |
| | 64 | | | | | | | | | |
| | 64 65 | | | | | | • | | | |
| | 66 | | | | | | | | | |
| | 67 | | | | | | | | L | |
| | 68 | | | | | | | | | |
| | 69 | | | | | | | | | |
| | 70 | | | | | | | | | |
| | 71 | | | _ | | | | | | |
| | 72 | | | | | | | | | |
| | 73 | | | | | | | | | |
| | 74 | | | | | | | | | |
| | 75 | | L | | | | | | | |
| | 68 69 70 71 72 73 74 75 76 77 78 79 | | _ | | | | | | | |
| <u> </u> | 77 | | | <u> </u> | | | <u> </u> | | L_ | |
| | 78 | ļ | | | | | | | L | |
| , | 79 | | <u> </u> | <u> </u> | | L_ | | | <u> </u> | |
| | 80 81 | <u>L</u> | <u> </u> | L | L_ | <u> </u> | | <u> </u> | _ | L |
| | 81 | <u> </u> | <u> </u> | _ | _ | | _ | _ | _ | _ |
| <u> </u> | 82 83 | | L. | L | _ | <u></u> | L. | L | | |
| <u> </u> | 83 | <u> </u> | _ | <u> </u> | _ | _ | L | <u> </u> | | _ |
| <u></u> | 84 | <u> </u> | <u> </u> | ₩ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _ | |
| <u></u> | 85 | \vdash | <u> </u> | ├ | <u> </u> | | <u> </u> | <u> </u> | <u> </u> | |
| <u> </u> | 86 | ⊨ | <u> </u> | <u> </u> | <u> </u> | L _ | ऻ_ | <u> </u> | — | |
| — | 87 | | \vdash | \vdash | <u> </u> | - | <u> </u> | \vdash | - | \vdash |
| _ | 88 | <u> </u> | <u> </u> | \vdash | <u> </u> | <u> </u> | | ا نا | | \vdash |
| <u> </u> | 89 | <u> </u> | <u> </u> | ├ - | ⊢- | <u> </u> | <u> </u> | ├- | | ├ |
| | 90 | | ⊢ | ┡ | \vdash | \vdash | | ├ | - | ├ |
| | 91 | - | ⊢ | - | | \vdash | ├ | ├ | | |
| - | 92 | - | \vdash | \vdash | \vdash | \vdash | - | - | ₩ | <u> </u> |
| \vdash | 93 94 | - | - | \vdash | - | ├- | \vdash | - | ├ | - |
| - | 95 | ├- | \vdash | ⊢ | \vdash | ├ | ├ | ┡ | ├ | ┢ |
| | 96 | \vdash | H | ┢╾ | \vdash | ╁ | ├ | ├ | \vdash | \vdash |
| <u> </u> | 97 | <u> </u> | - | + | ├ | ⊢ | - | \vdash | - | ├ |
| | | ├— | - | 1- | - | \vdash | \vdash | ├- | ├- | ├- |
| | 98 | | \vdash | \vdash | - | \vdash | - | \vdash | ├- | ├- |
| | 99 | \vdash | \vdash | +- | ├- | \vdash | - | ⊢ | - | ⊢ |
| L | 100 | | <u></u> | \perp | L | | <u> </u> | <u></u> | L., | |

| Cla | aim | Date | | | | | | \neg | | |
|-------|---------------------------------------------------------------------------------------------------------------------|----------|----------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------|----------|----------|-----------------|
| | | | | | | | | | | \dashv |
| ā | Original | | | | | 1 | | - 1 | | ļ |
| Final | ġ | | | | | | | | - 1 | 1 |
| ш. | ō | | | | | | | | 1 | 1 |
| | | - | - | _ | | | - | \dashv | \dashv | |
| | 101 102 | | _ | | | | | - | - | |
| | 102 | _ | | | | | | | | - |
| | 103 | | | _ | | _ | | | - | |
| | 104 | | _ | | | | Н | _ | | _ |
| | 105 | | | | | | _ | _ | | _ |
| | 106 | | _ | | | | | | _ | _ |
| | 107 | | | | | | | | | |
| | 103 104 105 106 107 108 109 | | | | | | | | | _ |
| | 109 | | | | | | | | | _ |
| | 1110 | | | | | | | _ | | |
| | 111 | | | | | | | | | |
| | 111 112 113 | | | | | | | | | |
| | 113 | | | | | | | | | |
| | 114 | | | | | | | | | |
| | 115 | | | | | | | | | |
| | 116 | | | | | | | | | П |
| | 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 | | | | | Г | | | | П |
| | 118 | Н | | \vdash | Г | | П | | | |
| | 119 | _ | | | \vdash | \vdash | Н | | _ | \vdash |
| | 120 | | | - | | | | | | Н |
| | 121 | - | _ | ┢ | - | ┝ | - | | | H |
| | 122 | | | - | _ | ┝ | ┝ | | H | Н |
| | 122 | | | - | | | ├─ | - | _ | Н |
| | 123 | - | \vdash | - | - | ├ | - | | - | Н |
| | 124 | | <u> </u> | | | - | - | | | |
| | 125 | - | _ | | ⊢ | - | - | | _ | Н |
| | 126 | \vdash | | <u> </u> | | | | | _ | Н |
| | 127 | - | _ | - | _ | _ | _ | <u> </u> | | Н |
| | 128 | <u> </u> | | ┡ | _ | - | | | | Ш |
| | 129 | <u> </u> | | ļ | _ | _ | _ | | <u> </u> | Ш |
| | 130 | | _ | L | _ | <u> </u> | <u> </u> | | <u> </u> | Ш |
| | 131 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | L. | | Ц |
| | 132 133 134 | <u> </u> | L | <u> </u> | Ц | <u> </u> | _ | | <u> </u> | Ш |
| | 133 | _ | L_ | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ld}}}}}}$ | | <u>L</u> | L | <u> </u> | |
| | 134 | | L. | <u></u> | | $oxed{oxed}$ | <u> </u> | | | Ш |
| | 135 | | | | | | | | | \square |
| | 135 136 | | | | Ĺ | L | | | L | |
| | 137 | | | | | L | | | | |
| | 138 139 | | | | | | | | | |
| | 139 | | | | П | Г | Г | | | |
| _ | 140 | | | Г | | Π | | | | П |
| | 141 | Т | | | | | Г | Г | <u> </u> | П |
| | 142 | \vdash | | П | \Box | Π | | | | П |
| | 143 | Г | | t | | Г | | | 1 | П |
| | 144 | t^- | | 1 | 1 | \vdash | | | \vdash | Н |
| | 145 | 1 | \vdash | ┼ | \vdash | \vdash | 一 | \vdash | \vdash | Н |
| | 146 | - | - | - | +- | +- | \vdash | ╁─ | +- | Н |
| | 147 | +- | \vdash | \vdash | - | +- | ├- | \vdash | \vdash | \vdash |
| | | \vdash | <u> </u> | - | - | \vdash | \vdash | \vdash | | H |
| | 148 | ├- | | \vdash | - | +- | \vdash | | | \vdash |
| | 149 | ├- | — | ├- | | ₽ | - | <u> </u> | | $\vdash \vdash$ |
| | 150 | | L_ | | | | 1 | L_ | | Ш |